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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 3

Complete If Known	
Application Number	10/530,106
Filing Date	April 1, 2005
First Named Inventor	Rob Hooft Van Huijsduijnen
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket Number	SLII-P01-003

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number: Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
/S.H./	CA	ANDERSEN et al., 2001, Structural and evolutionary relationships among protein tyrosine phosphatase domains. Mol. Cell. Biol. 21:7117-7136	
	CB	BARRY et al., 1993, Introduction of antisense oligonucleotides into cells by permeabilization with streptolysin O, Biotechniques 15:1016-1020	
	CC	BHANDARI et al., 1998, Physical and functional interactions between receptor-like protein-tyrosine phosphatase α and $p59^{fyn}$, J Biol Chem 273:8691-8698	
	CD	BJORGE et al., 2000, Identification of Protein-tyrosine Phosphatase 1B as the Major Tyrosine Phosphatase Activity Capable of Dephosphorylating and Activating c-Src in Several Human Breast Cancer Cell Lines, J. Biol. Chem. 275(52):41439-41446	
	CE	BJORGE et al., 2000, Selected glimpses into the activation and function of Src kinase. Oncogene 19:5620-5635	
	CF	BLASKOVICH and KIM, 2002, Recent discovery and development of protein tyrosine phosphatase inhibitors, Expert Opin. Ther. Patents, 12(6):871-905	
	CG	BOETTIGER et al., 2001, Distinct ligand-binding modes for integrin $\alpha_v\beta_3$-mediated adhesion to fibronectin *versus* vitronectin, J. Biol. Chem. 276:31684-31690	
	CH	BOLEN et al., 1992, The Src family of tyrosine protein kinases in hemopoietic signal transduction, FASEB J. 6:3403-3409	
	CI	BRADY-KALNAY and TONKS, 1995, Protein tyrosine phosphatases as adhesion receptors, Curr. Opin. Cell Biol. 7:650-657	
	CJ	BRÜGGEMANN et al., 1992, Human antibody production in transgenic mice: expression from 100 kb of the human IgH locus, Eur. J. Immunol. 21:1323-1326	
/S.H./	CK	CAHIR McFARLAND et al., 1993, Correlation between Src family member regulation by the protein-tyrosine-phosphatase CD45 and transmembrane signaling through the T-cell receptor, Proc. Natl. Acad. Sci. USA 90:1402-1406	

Examiner Signature	/Sheela Huff/	Date Considered	08/21/2007

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/S.H./	CL	CHENG et al., 2001, Attenuation of adhesion-dependent signaling and cell spreading in transformed fibroblasts lacking protein tyrosine phosphatase-1B, J. Biol. Chem. 276:25848-25855	
	CM	COOK and UNGER, 2002, Protein tyrosine phosphatase 1B: a potential leptin resistance factor of obesity Dev. Cell 2:385-387	
	CN	den HERTOG et al., 1993, Receptor protein tyrosine phosphatase α activates pp60$^{c\text{-}src}$ and is involved in neuronal differentiation, Embo J 12:3789-3798	
	CO	den HERTOG et al., 1999, Receptor protein-tyrosine phosphatase signalling in development, Int. J. Dev. Biol. 43:723-733	
	CP	D'ORO and ASHWELL, 1999, Cutting edge: The CD45 tyrosine phosphatase is an inhibitor of Lck activity in thymocytes, J. Immunol. 162:1879-1883	
	CQ	ESPANEL et al., 2001, Pulling strings below the surface: hormone receptor signaling through inhibition of protein tyrosine phosphatases, Endocrine 15:19-28	
	CR	FLINT et al., 1997, Development of "substrate-trapping" mutants to identify physiological substrates of protein tyrosine phosphatases, Proc. Natl. Acad. Sci. USA 94:1680-1685	
	CS	GALAKTIONOV et al., 1995, CDC25 phosphatases as potential human oncogenes, Science 269:1575-1577	
	CT	GRANTHAM,1974, Amino acid difference formula to help explain protein evolution, Science, 185:862-864	
	CU	HOOFT van HUIJSDUIJNEN, 1998, Protein tyrosine phosphatases: counting the trees in the forest, Gene 225:1-8	
	CV	HUANG et al., 2001, Interference of tenascin-C with syndecan-4 binding to fibronectin blocks cell adhesion and stimulates tumor cell proliferation, Cancer Res. 61:8586-8594	
	CW	HURLEY et al., 1993, Differential effects of expression of the CD45 tyrosine protein phosphatase on the tyrosine phosphorylation of the *lck*, *fyn*, and c-*src* tyrosine protein kinases, Mol. Cell. Biol. 13:1651-1656	
	CX	KAPILA et al., 2001, Three-dimensional structural analysis of fibronectin heparin-binding domain mutations, J. Cell. Biochem. 36:156-161	
	CY	KIENER and MITTLER, 1989, CD45-protein tyrosine phosphatase cross-linking inhibits T cell receptor CD3-mediated activation in human T cells, J. Immunol. 143:23-28	
	CZ	LEDBETTER et al., 1991, CD45 cross-linking regulates phospholipase C activation and tyrosine phosphorylation of specific substrates in CD3/Ti-stimulated T cells, J. Immunol. 146:1577-1583	
	CA1	LIU et al., 1993, Regulation of c-Src tyrosine kinase activity by the Src SH2 domain, Oncogene 8:1119-1126	
	CB1	MAJETI and WEISS, 2001, Regulatory mechanisms for receptor protein tyrosine phosphatases, Chem. Rev. 101, 2441-2448	
	CC1	MATOZAKI and KASUGA, 1996, Roles of Protein-Tyrosine Phosphatases in Growth Factor Signalling, Cell. Signal. 8(1)13-19	
	CD1	MATOZAKI et al., 1994, Molecular cloning of a human transmembrane-type protein tyrosine phosphatase and its expression in gastrointestinal cancers, J. Biol. Chem. 269:2075-2081	
	CE1	MENDEZ et al., 1997, Functional transplant of megabase human immunoglobulin loci recapitulates human antibody response in mice, Nature Genetics 15:146-56	
	CF1	MENG et al., 2000, Pleiotrophin signals increased tyrosine phosphorylation of β-catenin through inactivation of the intrinsic catalytic activity of the receptor-type protein tyrosine phosphatase β/ζ, Proc. Natl. Acad. Sci. USA 97:2603-2608	
/S.H./	CG1	MØLLER et al., 1994, Src kinase associates with a member of a distinct subfamily of protein-tyrosine phosphatases containing an ezrin-like domain, Proc. Natl. Acad. Sci. USA 91:7477-7481	

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/S.H./	CH1	NOGUCHI et al., 2001, Inhibition of Cell Growth an Spreading by Stomach Cancer-associated Protein-tyrosine Phosphatase-1 (SAP-1) through Dephosphorylation of $p130^{Cas}$. J. Biol. Chem. 276(18):15216-15224	
	CI1	PATHAK and YI, 2001, Sodium Stibogluconate Is a Potent Inhibitor of Protein Tyrosine Phosphatases and Augments Cytokine Response in Hemopoietic Cell Lines, J. Immunol. 167:3391-3397	
	CJ1	PENG and CARTWRIGHT, 1995, Regulation of the Src tyrosine kinase and Syp tyrosine phosphatase by their cellular association, Oncogene 11:1955-1962	
	CK1	RUIVENKAMP et al., 2002, *Ptprj* is a candidate for the mouse colon-cancer susceptibility locus *Scc1* and is frequently deleted in human cancers, Nat. Genet. 31:295-300	
	CL1	SAHA et al., 2001, A phosphatase associated with metastasis of colorectal cancer, Science 294:1343-1346	
	CM1	SCHMIDT et al., 1996, Protein-tyrosine phosphatase activity regulates osteoclast formation and function: inhibition by alendronate, Proc. Natl. Acad. Sci. USA 93:3068-3073	
	CN1	SEO et al., 1997, Overexpression of SAP-1, a Transmembrane-Type Protein Tyrosine Phosphatase, in Human Colorectal Cancers, Biochem. Biophys. Res. Comm. 231:705-711	
	CO1	STANTON et al., 2002, The 45 kDa collagen-binding fragment of fibronectin induces matrix metalloproteinase-13 synthesis by chondrocytes and aggrecan degradation by aggrecanases. BioChem. J. 364:181-190	
	CP1	SUHR et al. 2001, Antisense oligodeoxynucleotide evidence that a unique osteoclastic protein-tyrosine phosphatase is essential for osteoclastic resorption, J. Bone Miner. Res. 16:1795-1803	
	CQ1	TAKADA et al., 2002, Induction of Apoptosis by Stomach Cancer-associated Protein-tyrosine Phosphatase-1, J. Biol. Chem. 277(37):34359-34366	
	CR1	THOMAS and BRUGGE, 1997, Cellular functions regulated by Src family kinases. Annu. Rev. Cell Dev. Biol. 13:513-609	
	CS1	TOMIZUKA et al., 2000, Double trans-chromosomic mice : maintenance of two individual human chromosome fragments containing Ig heavy and κ loci and expression of fully human antibodies, Proc. Natl. Acad. Sci. USA 97:722-727	
	CT1	TUSCHL et al., 1999, Targeted mRNA degradation by double-stranded RNA in vitro, Genes Dev 13:3191-3197	
	CU1	UDAYKUMAR and HEWLETT, 1993, A novel method employing UNG to avoid carry-over contamination in RNA-PCR, Nucleic Acids Res. 21:3917-3918	
	CV1	WAHL et al., 1983, Improved radioimaging and tumor localization with monoclonal $F(ab')_2$. J. Nucl. Med. 24:316-325	
	CW1	WALCHLI et al., 2000, Identification of tyrosine phosphatases that dephosphorylate the insulin receptor. A brute force approach based on "substrate-trapping" mutants, J. Biol. Chem. 275:9792-9796	
	CX1	WIENER et al., 1994, Overexpression of the tyrosine phosphatase PTP1B is associated with human ovarian carcinomas, Am. J. Obstet. Gynecol. 170:1177-1183	
	CY1	ZHENG et al., 1992, Cell transformation and activation of $pp60^{c\text{-}src}$ by overexpression of a protein tyrosine phosphatase, Nature 359:336-339	
/S.H./	CZ1	ZONDAG et al., 1995, Homophilic interactions mediated by receptor tyrosine phosphatases μ and κ. A critical role for the novel extracellular MAM domain, J. Biol. Chem. 270:14247-14250	

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